

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): A positioning system comprising:

A first ~~conventional~~ correlation path for detecting and correlating satellite position signals and providing an output when a signal is detected;

a second correlation path ~~for correlation path~~ for detecting and correlating said satellite position signals;

a subtractor coupled to said first and second correlation paths for removing said output from an input of said second correlation path[.] resulting in a presumed output signal that cancels out a presumed ghost signal.

2. (original): The positioning system of claim 1 including an assistance signal coupled to said second correlation path.

3. (original): The positioning system of claim 2 wherein said assistance signal includes one or more Doppler frequencies for said satellites.

4. (original): The positioning system of claim 2 wherein said assistance signal includes one or more locations for said satellites.

5. (original): The positioning system of claim 2 wherein said assistance signal includes a list of one or more satellites that are currently available.

6. (original): The positioning system of claim 2 wherein said assistance signal includes one or more navigation bits in said signals from said satellites.

7. (currently amended): A method for using a positioning system receiving signals from one or more satellites comprising the steps of :

~~transmitting signals from one or more satellites;~~

detecting and correlating [[said]] the signals in a first correlation path and providing an output when a signal is detected and correlated;

detecting and correlating [[said]] the signals in a second correlation path having an input;

subtracting said output from said first correlation path from said input of said second correlation path [[.]] resulting in a presumed output signal that cancels out a presumed ghost signal.

8. (original): The method of claim 7 further including an assistance signal coupled to said second correlation path.

9. (original): The method of claim 8 wherein said assistance signal includes one or more Doppler frequencies for said satellites.

10. (original): The method of claim 8 wherein said assistance signal includes one or more locations for said satellites.

11. (original): The method of claim 8 wherein said assistance signal includes a list of one or more satellites that are currently available.

12. (original): The method of claim 8 wherein said assistance signal includes a list of one or more navigation bits in said signals from said satellites.

13. (new): The method of claim 1, wherein said first correlation path presumes that the detected signal is a ghost signal.

14. (new): The method of claim 13, wherein the detected signal is inverted and provided as said output to said subtractor.

15. (new): The method of claim 7, comprising said first correlation path presumes that the detected signal is a ghost signal.

16. (new): The method of claim 7, comprising inverting the detected signal and providing said output in said subtracting step.

17. (new): The method of claim 7, wherein the signal detected at the first correlation path is subtracted from a data sample stored in a memory unit, and this value is provided as said output in said subtracting step.

18. (new): The method of claim 17, comprising estimating pseudoranges and signal strengths and subtracting this estimate from the data sample stored in memory.